

Nephrology and Urology of Small Animals

Section I. Fundamentals of Nephrology and Urology.

Chapter 1: Anatomy and Physiology.

- A. Upper Urinary Tract.
- B. Lower Urinary Tract.

Chapter 2: Diagnostic Testing.

- A. Historical Information and Physical Examination Findings.
- B. Sample Collection and Laboratory Evaluation.

Chapter 3: Diagnostic and Therapeutic Techniques.

- A. Indwelling Urinary Catheters.
- B. Retrograde urohydropulsion.
- C. Voiding Urohydropulsion.
- D. Dialysis.
- E. Renal Transplantation.

Section II. Clinical Syndromes of Urinary Tract Diseases.

Chapter 4: Polyuria / Polydipsia.

Chapter 5: Azotemia.

Chapter 6: Uremia.

Chapter 7: Proteinuria.

Chapter 8: Discolored Urine.

Chapter 9: Renomegaly.

Chapter 10: Lower Urinary Tract Disease.

Chapter 11: Incontinence.

Section III. Disorders of the Urinary System.

Chapter 12: Diseases Affecting the Upper Urinary Tract.

- A. Chronic Renal Failure.
- B. Acute Renal Failure.
- C. Renal Manifestations of Polysystemic Diseases.
- D. Glomerular Disease.
- E. Tubular Disease.
- F. Congenital.
- G. Neoplasia.
- H. Trauma.
- I. Surgery of Kidneys and Ureters.

Chapter 13: Diseases Affecting the Upper and Lower Urinary Tract.

A. Urolithiasis.

B. Urinary Tract Infections.

Chapter 14: Diseases Affecting the Lower Urinary Tract.

A. Feline Idiopathic Cystitis.

B. Neoplasia.

C. Micturition Disorders.

D. Trauma.

E. Congenital.

F. Prostatic Disease.

G. Surgery of the Bladder, Urethra, Prostate, Vagina and Vulva.

Section IV: Formulary.